WHAT IS CLAIMED IS:

 A bathophenanthroline compound of the following general formula [I]
 General Formula [I]:

wherein R^1 and R^2 may be the same or different and independently represent a linear, branched or cyclic, saturated or unsaturated hydrocarbon group, or a substituted or unsubstituted, saturated or unsaturated hydrocarbon group provided that at least one of R^1 and R^2 has at least two carbon atoms.

- A bathophenanthroline compound according to Claim
 wherein said compound is used as an organic layer of
 an organic electroluminescent device.
- A bathophenanthroline compound according to Claim
 wherein said organic layer consists of a carrier
 transport layer.
- 4. A bathophenanthroline compound of the following general formula [II]

General Formula [II]:

wherein Ar¹ and Ar² may be the same or different and independently represent a substituted or unsubstituted aryl group.

- A bathophenanthroline compound according to Claim
 wherein said compound is used as an organic layer of
 an organic electroluminescent device.
- A bathophenanthroline compound according to Claim
 wherein said organic layer consists of a carrier
 transport layer.
- 7. A process for preparing a bathophenanthroline compound, which comprising subjecting a lithium compound of the following general formula [III]

 General Formula [III]:

R³-Li or R⁴-Li

wherein R³ and R⁴ may be the same or different and independently represent a linear, branched or cyclic, saturated or unsaturated hydrocarbon group or a

substituted or unsubstituted, saturated or unsaturated hydrocarbon group provided that at least one of \mathbb{R}^3 and \mathbb{R}^4 has at least two carbon atoms, and bathophenanthroline of the structural formula [IV]

to nucleophilic substitution reaction to obtain a bathophenanthroline compound of the general formula [I] General Formula [I]:

wherein R¹ and R² may be the same or different and independently represent a linear, branched or cyclic, saturated or unsaturated hydrocarbon group, or a substituted or unsubstituted, saturated or unsaturated

hydrocarbon group provided that at least one of R^1 and R^2 has at least two carbon atoms.

- 8. A process according to Claim 7, wherein said nucleophilic substitution reaction is carried out in such a way that a carbanion is generated from said lithium compound in a solution and reacted with said bathophenanthroline.
- 9. A process for preparing a bathophenanthroline compound, which comprising subjecting a lithium compound of the following general formula [V]

Ar3-Li or Ar4-Li

wherein Ar³ and Ar⁴ may be the same or different and independently represent a substituted or unsubstituted aryl group, and bathophenanthroline of the following structural formula [IV]

Structural Formula [IV]:

to nucleophilic substitution reaction to obtain a bathophenanthroline compound of the general formula [II]

General Formula [II]:

wherein Ar¹ and Ar² may be the same or different and independently represent a substituted or unsubstituted aryl group.

10. A process according to Claim 9, wherein said nucleophilic substitution reaction is carried out in such a way that a carbanion is generated from said lithium compound in a solution and reacted with said bathophenanthroline.